

**ARIZONA GAME AND FISH DEPARTMENT  
HABITAT PARTNERSHIP COMMITTEE  
HABITAT ENHANCEMENT AND WILDLIFE MANAGEMENT PROPOSAL**

Game Branch / HPC Project Number: 15-303

**PROJECT INFORMATION**

**Project Title:** Supai Catchment Maintenance

**Region and Game Management Unit:** 10

**Local Habitat Partnership Committee (LHPC):**

- Arizona Desert Bighorn Sheep Society

**Was the project presented to the LHPC?**

**YES**☒ **NO**☐

**Has this project been submitted in previous years?** YES☐ NO☒

**If Yes, was it funded?** YES☐ NO☐ → **Funded HPC Project #(s):**

**Project Type:** Catchment Maintenance

**Brief Project Summary:** Installation of a heavy duty Pipe Rail Fence and cement reinforcement of water trough and new Gel coat on water storage tanks

**Big Game Wildlife Species to Benefit:** Bighorn Sheep, Elk, Deer

**Implementation Schedule** (Month/Day/Year):

Project Start Date: August 1, 2015

Project End Date: August 5, 2015

**Environmental Compliance:**

NEPA Completed: Yes☒ No☐ N/A☐

Projected Completion Date: \_\_\_\_\_

State Historic Preservation Office - Archaeological Clearance:

Yes☒ No☐ N/A☐

Projected Completion Date: \_\_\_\_\_

Arizona Game and Fish Department EA Checklist: N/A☐

To be Completed by: \_\_\_\_\_

Projected Completion Date: \_\_\_\_\_

**PROJECT FUNDING**

**Special Big Game License Tag Funds Requested:**

\$

**Cost Share or Matching Funds:**

\$ 14,225

**Total Project Costs:** \$4,255

**\$ 4,255**

**PARTICIPANT INFORMATION**

**Applicant** (please print):

Noah Silva

**Address:**

5325 N. Stockton Hill Rd

**E-mail:**

nsilva@azgfd.gov

**Telephone:** 480-216-6653

**Date:** 5/27/2015

**AGFD Contact and Phone No.** (If applicant is not AGFD personnel):

**Project has been coordinated with:**

AZGFD, ADBSS, Boquillas Ranch (with agreement in place)

## **NEED STATEMENT – PROBLEM ANALYSIS:**

The Department and cooperators are proposing maintenance to a wildlife water catchment. The primary purpose is to keep cattle out of water development and provide reliable and permanent source of water for bighorn sheep, elk, and deer in the northern portion of GMU 10. Bighorn sheep would benefit from this redevelopment, as well as other native mammals, birds, herpetofauna, and invertebrates. The catchment is surrounding by metal fencing but needs repairs to ensure that the catchment is only utilized by wildlife. The water storage tanks also need a new gel coat and fiberglass repair to ensure its functionality. The concrete around the trough needs minor repairs as well.

## **PROJECT OBJECTIVES:**

The Department proposes for maintenance of this wildlife water development to create a permanent year-round water source for wildlife. It is the objective of the Arizona Game and Fish Department to reduce the effects of drought and thermal stress on game species and other wildlife by maintaining wildlife water developments. The Supai Wildlife Water maintenance would provide a secure water source for a number of species of wildlife with a specific emphasis on bighorn sheep. This area was determined in a comprehensive water analysis completed for the Unit 10 Management Plan to one of the largest blocks of area without a permanent water source. Bighorn sheep populations have been detected near the project site and this water will provide a permanent reliable water source for bighorn sheep which is necessary for their survival.

## **PROJECT DESCRIPTION AND STRATEGIES:**

The proposed project would require use vehicles for transportation of materials to the site. Supai water catchment would consist of installation of a heavy-duty pipe rail fence, cement reinforcement around the drinker, and general maintenance consistent with the Arizona Game and Fish Department Wildlife Water Development Standards Document. This would be accomplished by the performing the tasks below

## **PROJECT LOCATION:**

Legal Description: Northeast ¼ of Section 05, T31N, R3W

Location: (WGS 84 UTM) 12S 353992E 3996924N

## **LAND OWNERSHIP AT THE PROJECT SITE(S):**

(If the project area is private property, please state specifically and provide the landowner's name)

- State Trust land

*IF PRIVATE PROPERTY, IS THERE A COOPERATIVE BIG GAME STEWARDSHIP or  
LANDOWNER AGREEMENT BETWEEN THE LANDOWNER AND THE DEPARTMENT?*

YES[x] NO [] N/A []

Expires 12/31/15

**HABITAT DESCRIPTION:**

Sagebrush/ Pinyon Juniper

**ITEMIZED USE OF FUNDS:**

Special Big Game License Tag Funds

Cost Share or Matching Funds (*for volunteer labor rates please refer to the worksheet below*)

Development Branch will pay for 1091 – Cataract Canyon # 3 (Howell) including labor which will amount to \$14,225

**LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:**

AZGFD

Arizona Desert Bighorn Sheep Society-ADBSS

**WOULD IMPLEMENTATION OF THIS PROJECT ASSIST IN PROVIDING, MAINTAINING, OR FACILITATING RECREATIONAL ACCESS?**

YES[x]   NO ☐   N/A ☐

**PROJECT MONITORING PLAN:**

Periodic checks will be made by the local Wildlife Manager to ensure that the catchments are functional and holding water properly

**PROJECT MAINTENANCE:**

The AGFD development branch will do any maintenance or repairs that need to be completed on these catchments

**PROJECT COMPLETION REPORT TO BE FILED BY:**

Noah Silva, Wildlife Manger Unit 10, AZGFD

**WATER DEVELOPMENT PROJECTS** (*please use the worksheet below*):

**TREE CLEARING/REMOVAL PROJECTS** (*please use the worksheet below*):

## **ARIZONA GAME AND FISH DEPARTMENT** **WATER DEVELOPMENT WORKSHEET**

**PROJECT TITLE:** Supai Catchment Maintenance

**1) Is the water development listed as a priority in the most recent “Wildlife Water Development Annual Implementation Schedule?” Yes**

**2) Please list the Development Branch personnel and date coordinated with for this project.**  
Ed Jahrke and Joseph Currie

**3) What is the estimated annual inches of precipitation for the area? (mark one)**  
☐ 2-4   ☐ 4-6   ☐ 6-8   ☒ 8-10   ☐ 10-12   ☐ 12-14   ☐ 14-16   ☐ >16

**4) Is there a perennial water source available to big game within four miles of this project?**

YES ☐ (please complete #5 below)   NO ☒ (skip #5 below)

**5) For the accessible, perennial water source nearest this project:**

Name of water source:

Type of water source (catchment, spring, dirt tank):

Ownership of water source:

Distance in miles from project:

**6) Is the target wildlife species a result of transplant efforts? YES ☐   NO ☒**

**7) Please list any special land management status for the project site (i.e. Wilderness, National Park, and National Monument). If private land, list landowner.**

On state land but requires access by the Boquillas Ranch

**8) Please provide the following information about access to the proposed site:**

Type of access (mark one):   ☒ 2x4 vehicles   ☐ 4x4 only   ☐ foot only\*\*

\*\*If foot access only: Distance in miles: \_\_\_\_\_   Approximate hiking time: \_\_\_\_\_

-- Does access to this site require crossing private or tribal lands? YES ☒ NO ☐

-- Please describe any restrictions to public access:

The area surrounding the catchment is checker-boarded with state and private land that is owned by the Boquillas Ranch. Seasonal Access (August-December) is allowed for hunting by purchasing an access permit. With agreement in place any AZGFD function allows agency personal/volunteers to access the land to do special projects or research

**9) Please list below (or on a separate sheet) the material type and dimensions of each component proposed to be added, modified, or repaired.**

**10) Was a site visit completed? Yes ☒   No ☐**

If yes, please list personnel that attended and date.

The site has been visited by Joseph Currie, Jeff Pebworth and Noah Silva on 06-09-15

### **Material list**

For the catchment: \$4,225.00 total

- Fencing = \$ 2,460.00 (11 sticks of 1 ½” and 100 sticks of ¾” Black Iron Pipe & 1 roll Field Fencing)
- Fiberglass and Gel coat = \$ 1,595.00 (8 gallons fiberglass & 8 gallons Gel coat)
- 1 pallet Concrete = \$ 200.00

Total = \$ 4,255.00

## **ARIZONA GAME AND FISH DEPARTMENT**

### **VOLUNTEER HOURLY RATES AND CLASSIFICATIONS WORKSHEET**

**PROJECT TITLE:** \_\_\_\_\_

The value of volunteer labor should be calculated at the hourly rate of an employee doing similar work, or using hourly rates from the Arizona Department of Administration's Human Resource web site, plus a standard ERE rate of 35%. [http://www.hr.state.az.us/ClassComp/CC\\_Job\\_Titles\\_with\\_Ranges.asp](http://www.hr.state.az.us/ClassComp/CC_Job_Titles_with_Ranges.asp)

\$0.445/mile should be the calculation used for mileage.

<b>Water Development</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			\$14.14	
<b>Habitat Restoration and Clean Up</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			\$14.14	
<b>Fisheries</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			\$14.14	
<b>Nongame Branch Project</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			\$14.14	
<b>Misc/office work</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			varies	
<b>Community Services</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			\$7.44	
<b>Events and Other</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			\$14.14	
<b>Research Branch</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			\$14.14	
<b>Wildlife Area Hosts</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			\$17.44	
<b>Education Programs</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			\$16.07	
<b>Totals</b>				